

**Distinctive Alert (8031)**

Distinctive Alert, when used in conjunction with the Dial Call Waiting feature, will allow a subscriber (for example, an Enhanced Service Provider's client) to be notified of certain incoming calls. When called from a line equipped with the Dial Call Waiting feature, a distinctive ring will be provided if the line is idle and a call waiting tone will be heard if the line is busy.

Both the line equipped with Distinctive Alert and the line equipped with Dial Call Waiting must be in the same central office switch. Other technical considerations also apply.

Generic Name of ONA Service	Product Name	BSE or CNS
Distinctive Alert	USW - Distinctive Alert	BSE

This feature is available in the following central office switches:

Switch Type	5ESS
Earliest Generic Release	5E2

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Faster Signaling On DID \*\***

**\*\* NOTE** - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**Flexible ANI Information Digits \*\***

**\*\* NOTE** - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**Monthly Call Detail Recording (4023)**

This capability is an arrangement to provide a customer with a monthly record of terminating calls to a specific customer number. The customer is provided with call detail information such as: calling telephone number, the customer-specified number, date, time of day and call duration.

Generic Name of ONA Service	Product Name	BSE or CNS
Monthly Call Detail Recording	BS - Call Detail Information	BSE

**FEATURE OPERATION:**

The customer subscribes to a service utilizing a unique NXX code. The unique NXX code is used to route calls for that NXX to the TOPS switch for recording. The billing process separates the recorded messages by line number and prepares a magnetic tape for each customer requesting a detailed record of the calls to his number.

**TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:**

1. Call detail includes the customer's number, the originating number, date, time of day and call duration.
2. Data is provided on magnetic tape. The tape density and number of tracks will be that used by the program and data processing system in use by the LEC's accounting center furnishing the tape.
3. A magnetic tape will be provided by the LEC on each occasion that the call information is furnished to the customer. The tape becomes the property of the customer and may not be returned to the LEC for reuse.
4. References:
  - None

**Multiplexing - T1 Transport - 1.544 Mbps - Line Side (8024)**

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide for 24 Line Circuit Switched Basic Serving Arrangements. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps rate, with the capability to channelize 24 voice frequency transmission paths. When utilizing analog terminations, either in analog or digital switching systems, the BOC will provide multiplex and/or channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When utilizing digital terminations, either in analog or digital switching systems, the BOC will provide a DS1 signal in D3/D4 format. All service will be provided with individual transmission path bit stream supervisory signaling.

All circuit switched BSAs on the individual DS1 facilities must be uniform in that they must all terminate in the same suitably equipped circuit switch. The individual 24 circuit switched BSAs must all be of the same equipment type, i.e., lines and trunks cannot be mixed.

This service will be provided on an individual case basis.

Generic Name of ONA Service	Product Name	BSE or CNS
Multiplexing - T1 Transport - 1.544 Mbps - Line Side	USW - Interface Group 6	BSE

Reference: TR-TSY-000510 LSSGR: System Interfaces, Section 10 (A Module of LSSGR, FR-64), Issue 2, July 1987, Revision 1 - October 1995, Revision 2 - August 1996.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Multiplexing - T1 Transport - 1.544 Mbps - Trunk Side (5013)**

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide up to 24 Circuit Switched Trunk Basic Serving Arrangements. When utilizing analog network terminations, the telephone company will provide multiplex and/or channel bank equipment to multiplex 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz into a DS1 signal. When utilizing digital network terminations, the telephone company will provide a DS1 signal.

Generic Name of ONA Service	Product Name	BSE or CNS
Multiplexing- T1 Transport - 1.544 Mbps - Trunk Side	NX- Circuit Switched Trunk With T1 Transport	BSE or CNS

Reference: TR-TSY-000510 LSSGR: System Interfaces, Section 10 (A Module of LSSGR, FR-64), Issue 2, July 1987, Revision 1 - October 1995, Revision 2 - August 1996.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk serving arrangement.

**Name of Calling Party (formerly 4024) \*\***

**\*\* NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1995 update.**

**Priority Installation Service (4013)**

This service provides the ESP, on an optional basis, priority installation.

Generic Name of ONA Service	Product Name	BSE or CNS
Priority Installation Service	BS - Expedited Order	BSE or CNS

**FEATURE OPERATION:**

An ESP may request that the installation service order be expedited. The ESP will incur the Expedited Order Charge to obtain the expedited service date.

References: not applicable.



**Privacy + (8047)**

With Privacy +, callers that are in an “unavailable/unidentified” area and callers that choose not to unblock their data, will be asked to record their name. Caller ID with Privacy + will ring the subscriber’s phone with a distinctive ring (two short rings). If the call is answered, the customer will hear the recorded name and have the option of pressing “1” to accept the call or “2” to reject the call.

Generic Name of ONA Service	Product Name	BSE or CNS
Privacy +	USW – Privacy +	CNS

References: not applicable.

**Redirecting Name Delivery (8046)**

Redirecting Name Delivery, available to ISDN PRI subscribers, allows for the name and number of the original caller and the last redirecting number to be displayed after a call has been redirected via a call forwarding feature. The customer must have CPE that will display the redirecting name and number.

Generic Name of ONA Service	Product Name	BSE or CNS
Redirecting Name Delivery	USW – Redirecting Name Delivery	BSE

References: not applicable.

**Redirecting Number Delivery (8048)**

Redirecting Number Delivery (RND) is a terminating user feature available to ISDN BRI subscribers. It allows the delivery of the redirecting number to the called party to indicate that call forwarding has occurred. If the received call is a forwarded call, the original calling party's number and the last forwarded directory number are delivered to the called party.

Generic Name of ONA Service	Product Name	BSE or CNS
Redirecting Number Delivery	USW – Redirecting Number Delivery	CNS

References: not applicable.

**Remote Call Forwarding (3004,4019,5014,8025)**

Remote Call Forwarding (RCF) is a service that utilizes a Directory Number (DN) to automatically forward all incoming calls to another DN. The forwarded to number can be in the same central office switch or in another central office switch.

The remote call forwarding directory number is not directly associated with an access connection arrangement, but rather is a software translation programmed within the central office switch. All calls dialed to that directory number will forward to another number automatically. The subscriber to this capability does not have a station set for termination of calls made to their remote call forwarding number.

Generic Name of ONA Service	Product Name	BSE or CNS
Remote Call Forwarding	BA - Remote Call Forwarding	CNS
	BS - Remote Call Forwarding	CNS
	NX - Remote Call Forwarding	CNS
	USW - Market Expansion Line	BSE

Reference: TR-TSY-000581 Remote Call Forwarding, FSD 01-02-1402 (A Module of LSSGR, FR-64), Issue 1, October 1989.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Selective Call Acceptance (6003) \***

**\* This service was removed by Pacific Bell. It was identified by Pacific Bell & Nevada Bell Third Further Amendment to Plan to Provide ONA, April 15, 1991, and in the Alternative Petition for Waiver, Transmittal 1553, page 16, as a service that is still under development.**

**Service Code Denial On Line Or Hunt Group (6005)**

This screening option disallows completion of terminating calls to local directory assistance (411, 555-1212), to service codes 611 and 911, and to local operator assistance (0-, 00-). Blocked calls are routed to a reorder tone or a recorded announcement.

Service Code Denial On Line Or Hunt Group is useful to 900 services and the ESP industry for fraud control.

This feature is provided in all electronic end offices and, where available, in electro-mechanical end offices.

Generic Name of ONA Service	Product Name	BSE or CNS
Service Code Denial On Line Or Hunt Group	PB - Service Code Denial On Line Or Hunt Group	BSE

Reference: GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Single Number Access For Multiple Locations (formerly 4025) \*\***

**\*\* NOTE** - this capability was moved to the main section of the ONA Services User Guide for the July 1995 update.

**Surrogate Client Number (4002)**

This capability provides a method for customers of an ESP to have a "presence" in the ESP's serving office as a "virtual telephone number." This capability will allow an ESP to identify the "calling number" of customers served by central offices where demand is insufficient to justify a Foreign Central Office (FCO) arrangement for calling number identification services such as SMDI that are currently limited by technology to intraoffice applications only.

This capability is presently only feasible from 1A ESS switches. This capability cannot be used with Call Forwarding Don't Answer to a DID number. This capability is limited to intraoffice operation.

Generic Name of ONA Service	Product Name	BSE or CNS
Surrogate Client Number	BS - Surrogate Client Number	BSE

Reference: TR-TSY-000581 Remote Call Forwarding, FSD 01-02-1402 (A Module of LSSGR, FR-64), Issue 1, October 1989.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.



**Switched 56 Kilobit Service (3019,4021,5036)**

Switched 56 Kilobit Service enables subscribers to transmit and receive data at the rate of 56 kilobits per second. Customers requiring InterLATA/Interstate transport can subscribe to an Interexchange Carrier that has Switched 56 Kilobit Service connectivity. The telephone company may offer Switched 56 Kilobit Access Service using Feature Group D protocol arrangements.

Generic Name of ONA Service	Product Name	BSE or CNS
Switched 56 Kilobit Service	BA - Switched 56 Kilobit Service	BSA
	BS - AccuPulse®	BSA
	NX - Switchway	BSA

**FEATURE OPERATION:**

Customers establish calls by dialing 7 or 10 digits as they would for a POTS call. Calls can only terminate to another Switched 56 line and cannot be used for normal voice communications.

**TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:**

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS
Earliest Generic Release	1AE8	5E6

2. This service is offered from specially equipped 1A ESS and 5ESS switches using facilities that are designed to accommodate 56 kilobits per second, full duplex, synchronous transmission. Remote access arrangements are available for customer locations not within the local wire center area of the specially equipped switches.
3. Subscriber loops from the local central office to customers' premises must be 4-wire, non-loaded facilities that can be designed to meet the specifications of Digital Data Service.
4. Interoffice facilities are specially equipped and are dedicated to the transport of Switched 56 Kilobit Service traffic. Access facilities are also specially equipped and dedicated to Switched 56 Kilobit Service.
5. Customers' CPE must be Accunet Compatible.

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6. References:

- GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).
- MDP-326-726 Digital Data System Channel Interface Specification, Issue 1, September 1983.

This service is associated with the Circuit Switched Trunk basic serving arrangement.

### Third Number Billing Inhibited (4012,7067)

This capability provides Enhanced Services Providers (ESPs) with the ability to prevent third number calls from being billed to their switched access billing accounts, (e.g., DID numbers). This capability is provided by the operating procedures of a BOC providing operator services capabilities.

When a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator makes a call to the third number for verification that the charges will be accepted. If no answer is received when the third number is called for verification of billing acceptance, the bill to third request is rejected.

In some areas, when a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator queries the Line Information Database (LIDB) to determine the billed party's preference concerning bill to third number requests. If the information in the LIDB indicates to always reject bill to third party attempts, then the bill to third request is rejected.

Generic Name of ONA Service	Product Name	BSE or CNS
Third Number Billing Inhibited	BS - Billed Number Screening *	BSE or CNS
	SWB - Billed Number Screening	CNS

Reference: FR-271 (replaces FR-NWT-000271) Operator Service Systems Generic Requirements (OSSGR), Issue 000, April 2000. See FSD 85-01-0300 for information about Third Number Billing, see GR-1177 OSSGR: Special Billing Features (FSD 85 Series), A Module of OSSGR, FR-271 & FD-LECKIT-CD-01, Issue 1, June 1997.

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\* This capability is available throughout the BellSouth region upon customer request.

**Three Way Calling (3020,4020,5019,8028)**

Three Way Calling (TWC) allows a customer to add a third party to an existing conversation without operator assistance. The party initiating TWC may hold one party with privacy exclusion while dialing and talking with another party and can later include the held party in TWC.

Generic Name of ONA Service	Product Name	BSE or CNS
Three Way Calling	BA - Three Way Calling	BSE
	BS - Three Way Calling	CNS
	NX - 3 Way Calling	BSE
	USW - Three Way Calling	BSE

**FEATURE OPERATION:**

A customer subscribing to TWC is able to add a third party to a stable call regardless of which party originated the call. The subscribing customer flashes his switch-hook, receives recall dial tone, dials the third party, and flashes the switch-hook again. The third party may be added to the call while the station is receiving ringing or the subscribing customer may speak with the third party in private prior to adding the third party to the stable call.

The third party will be disconnected from the call if the party initiating the TWC flashes the switch-hook.

If the party initiating the TWC disconnects, all parties are disconnected.

If a party other than the party initiating the TWC disconnects, the remaining two parties may continue the call.

**TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:**

1. This feature is available in the following central office switches:

Switch Type	1A ESS	5ESS	DMS-100
Earliest Generic Release	1AE8	5E2	BCS17

2. Recursive use of TWC is limited only by resources of the switching system and transmission capabilities (A adds on B, B adds on C, C adds on D, etc.)
3. Dialing restrictions of a station continue in effect when dialing a party to be added on.
4. Speed Calling can be used when adding a party.
5. The initiator of TWC should not receive a Call Waiting tone. Other parties on the call can receive and respond to a Call Waiting tone.

6. Either or both legs of a three way call may be an interexchange or international call.
7. TWC is not available on lines with two or more parties.
8. References:
  - TR-TSY-000577 Three-Way Calling, FSD 01-02-1301 (A Module of LSSGR, FR-64), Issue 1, July 1989, Revision 1, September 1990.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Traffic Data Reports (4016,5012,8016)**

This capability will provide ESPs with periodic (e.g., weekly) printed summaries of traffic data on their network facilities that are associated with central office switches. Traffic data reports include traffic information such as number of call attempts (peg count), number of blocked calls (overflow), and usage by ESP trunk group (minutes of use). The standard methods for delivering this information are paper printouts or magnetic tape in a standard format.

Generic Name of ONA Service	Product Name	BSE or CNS
Traffic Data Reports	BS - Access To Traffic Data/Network Usage Information Service	BSE
	NX - Trunk Group Measurement Reports	BSE
	USW - Traffic Data Report Service	BSE

**References:**

- TR-NWT-000335 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations, Issue 3, May 1993
- Also see Recommendation X.25 of the ITU-TS [formerly CCITT] Red Book.

This service, if offered as a BSE, may be associated with the Circuit Switched Line or Trunk basic serving arrangements.

**Transmission Improvement for Circuit Switched Services (8012)**

This capability provides the ESP with a high quality transmission line for use on local switched service. It provides transmission performance between 0 and 4 dB at 1000 Hz between the network interface at the subscriber's location and the serving central office switch.

Generic Name of ONA Service	Product Name	BSE or CNS
Transmission Improvement for Circuit Switched Services	USW - Improved Transmission Performance	BSE

References: GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

### Uniform Access Numbers for Business Lines (4010)

This service provides the ESP with the capability of using a single seven digit telephone number throughout the BellSouth region, Operating Company, State, Local Access and Transport Area (LATA), or NPA. The ESP's traffic is delivered to one location per Traffic Operator Position System (TOPS) Tandem switch per LATA.

Generic Name of ONA Service	Product Name	BSE or CNS
Uniform Access Numbers for Business Lines	BS - Uniform Access Numbers	BSE

#### FEATURE OPERATION:

The ESP's Uniform Access Number (UAN) traffic is delivered from the originating end office to the associated TOPS Tandem switch over a dedicated trunk group. The TOPS Tandem switch provides the translation and routing functions required to support the service. The ESP's clients will dial the UAN, which will be routed to the associated TOPS Tandem switch. The TOPS Tandem switch translates the UAN and then routes the traffic to the ESP's location. The UAN service is required to support the Automatic Number Identification (ANI) and Custom Service Areas (CSA) basic service elements.

The originating end office translations are set to route the UAN traffic using a unique NXX as a trigger. The 440 NXX will serve the BellSouth region, the 530 NXX will serve South Central Bell only, and the 930 will serve Southern Bell only.

A dedicated one way trunk group from each of the TOPS Tandem switch subtending end offices is used to deliver the UAN traffic to the TOPS Tandem switch. This trunk group is designed to deliver the called number (UAN) and calling line ANI to the TOPS Tandem switch. The Operator Services Signaling (OSS) protocol is used to deliver the information over the trunk group.

The TOPS Tandem switch collects the incoming information and translates the UAN to determine how the call should be handled.

The UAN calls can be delivered to the ESP either through the normal circuit switched network or using dedicated trunks from the TOPS to the ESP's location. If ANI delivery is desired, the trunk side option is required.

At the present time, this service will only be offered to ESPs through the General Subscriber Services Tariff (GSST).

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Line or Circuit Switched Trunk basic serving arrangements.